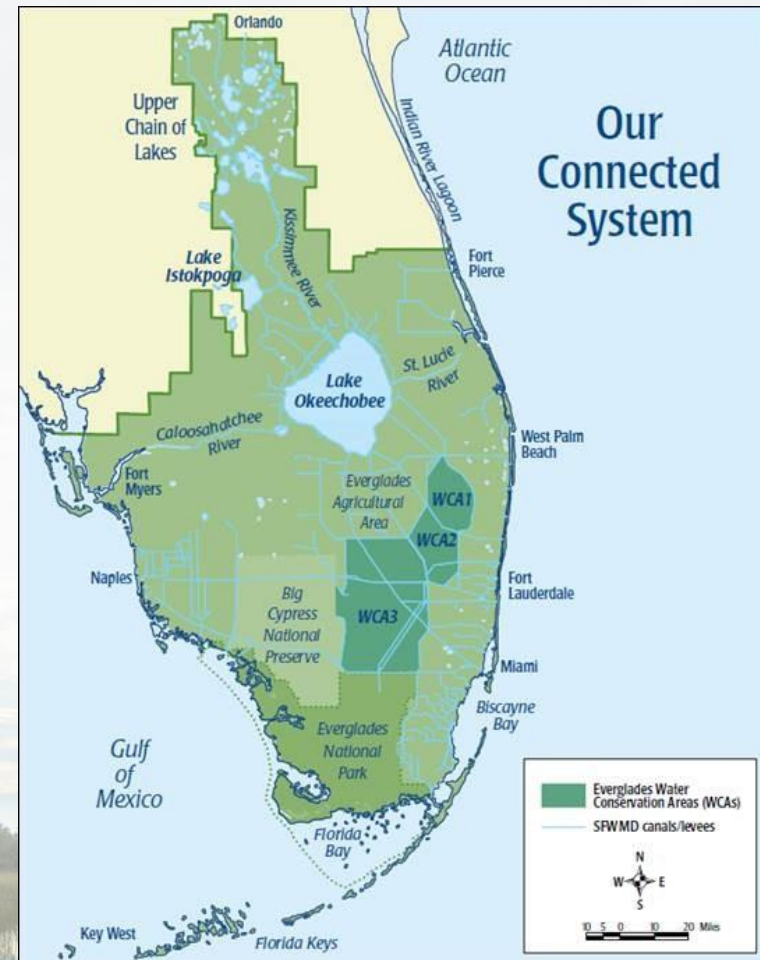


How Florida has Improved Water Quality in the Everglades

A Rare Jewel of Nature

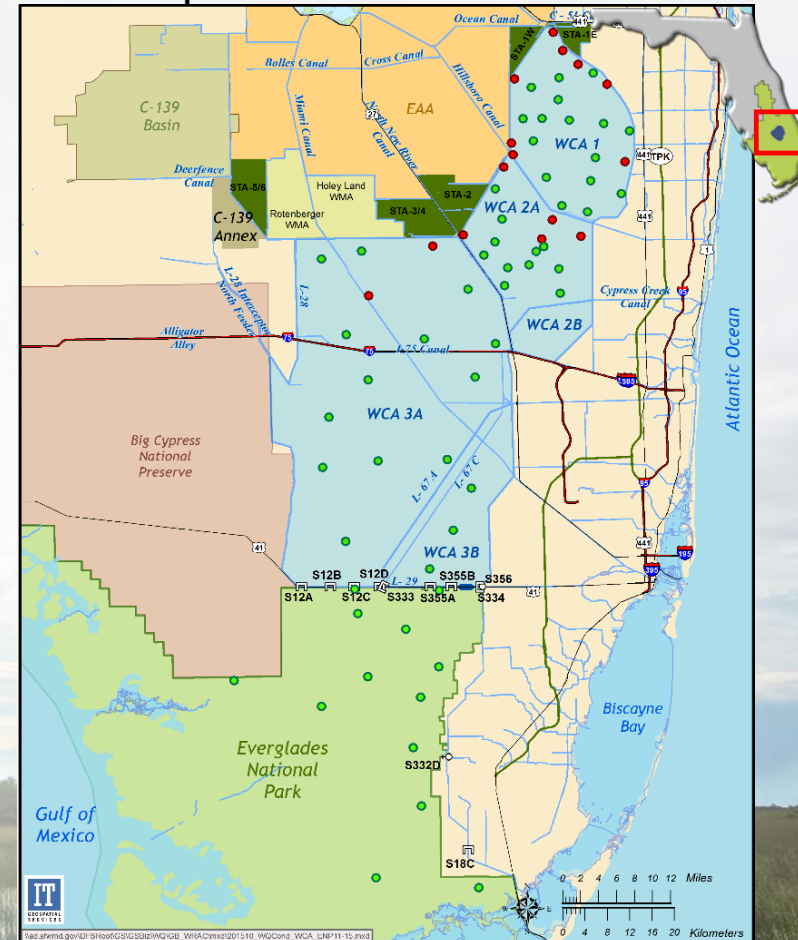
- America's Everglades ecosystem covers 11,000 square miles
- The Everglades is bigger than the state of Massachusetts and 1.5 times the size of the Grand Canyon



Water Quality Goal within Reach

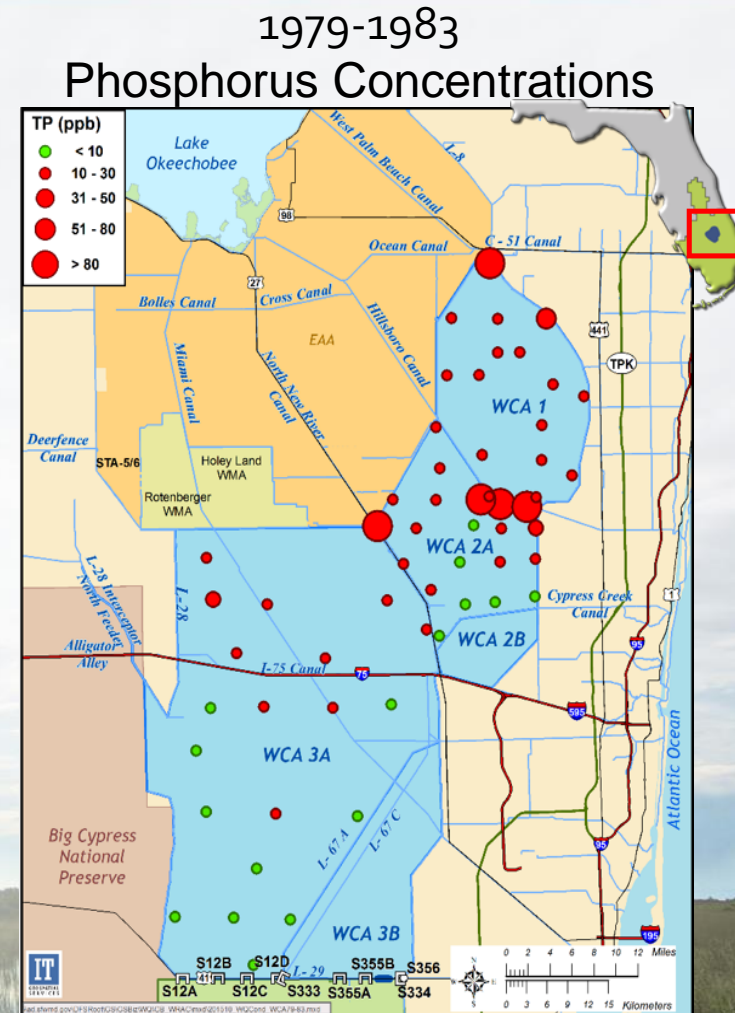
- This year, **90 percent** of the Everglades is at 10 parts per billion of total phosphorus or lower
- The water gets cleaner as it moves south from Lake Okeechobee through treatment areas – the way the system is designed to work

2011-2015
Phosphorus Concentrations



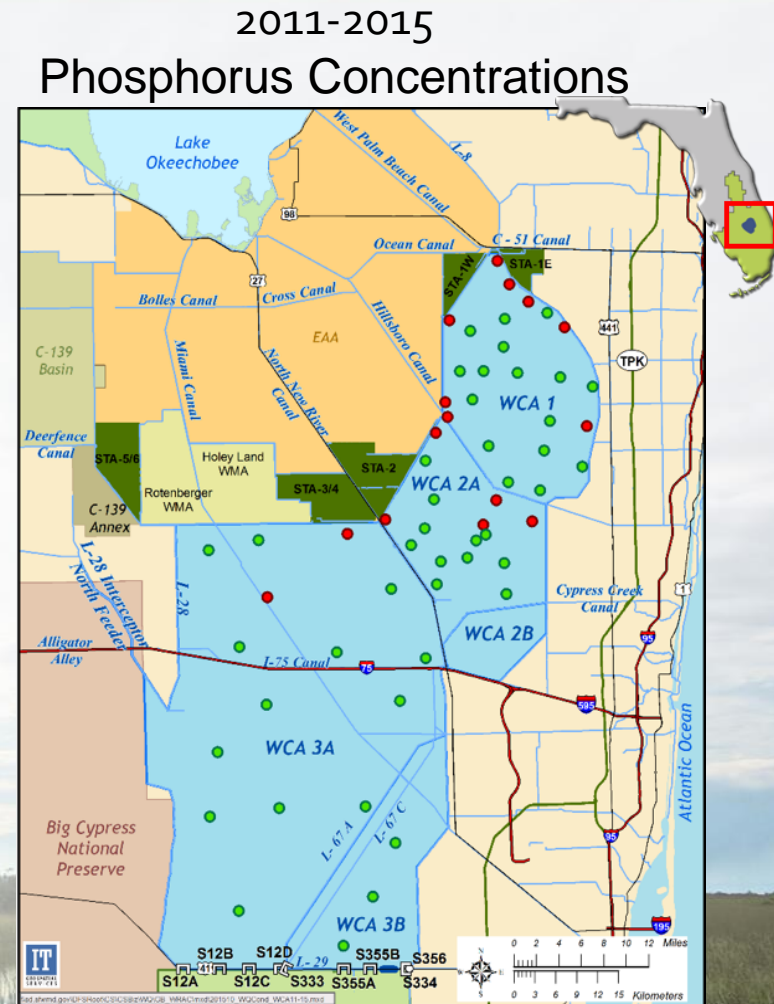
An Ecosystem in Jeopardy

- Phosphorus comes into the Everglades from nutrients and stormwater runoff
- Small amounts of phosphorus can cause excessive algae and non-native plant growth
- In the 1980s, levels of phosphorus in parts of the Everglades were higher than 150 parts per billion



Significant Progress Made

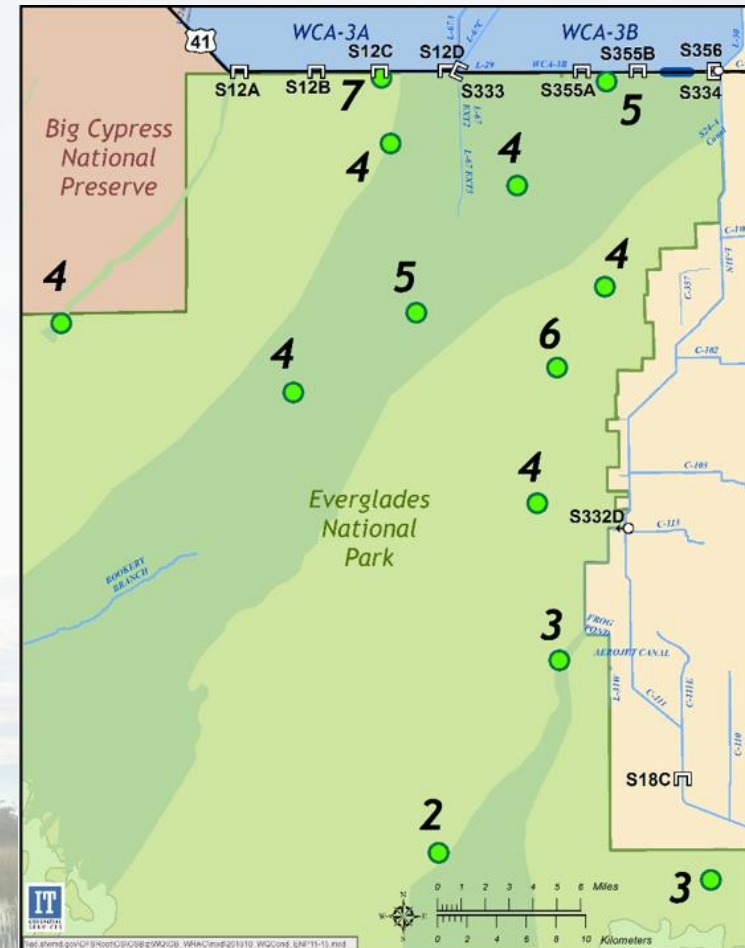
- Everglades water is cleaner than it has been in generations
- Historically high concentrations of phosphorus in Water Conservation Areas are now low



The System is Working

- Water comes into treatment with high concentrations of phosphorus
- Water reaches Everglades National Park with low concentrations of phosphorus

2011-2015 Phosphorus Levels



Tons of Phosphorus Removed

- Water quality efforts have removed approximately 5,000 metric tons of phosphorus
- All of this phosphorus could have ended up in the Everglades, causing excessive algae and plant growth



How Florida Did It

- Invested \$1.8 billion to improve water quality
- Worked with ag community to control phosphorus at the source
- Built massive wetland areas to clean water



Controlling it at the source

- Farming Best Management Practices (BMPs) curb phosphorus runoff
- Phosphorus runoff from farming decreased average of 56 percent each year
- 3,000 metric tons of phosphorus prevented from flowing to the Everglades



Stormwater Treatment

- Florida built 57,000 acres of Stormwater Treatment Areas (STAs)
- Water is cleaned in treatment areas before release to the Everglades



Millions of gallons treated

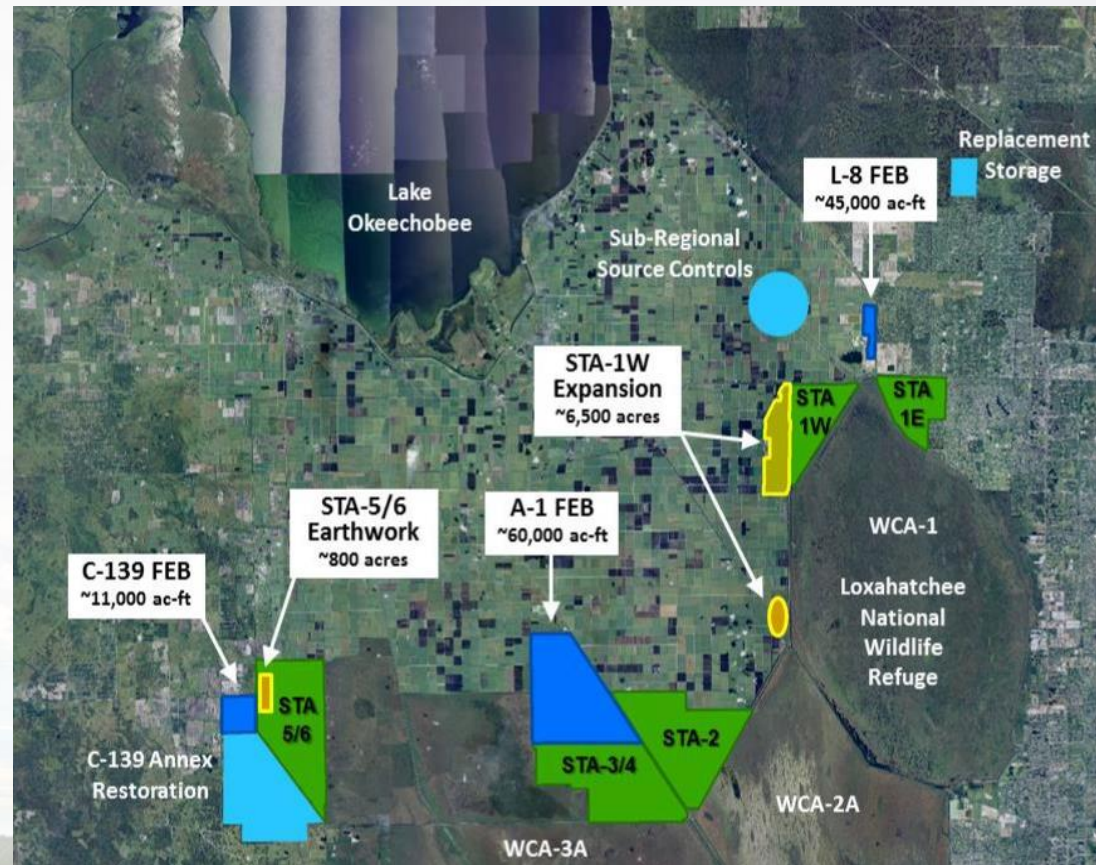
- 16 million acre-feet of water treated by STAs
- 2,012 tons of phosphorus removed through treatment



STAs have treated enough water to cover all 16 counties within the South Florida Water Management District with 1.25 feet of water.

More work to be done

- Future water quality projects include 6,500 more acres of STAs
- Florida also creating 116,000 more acre-feet of water storage



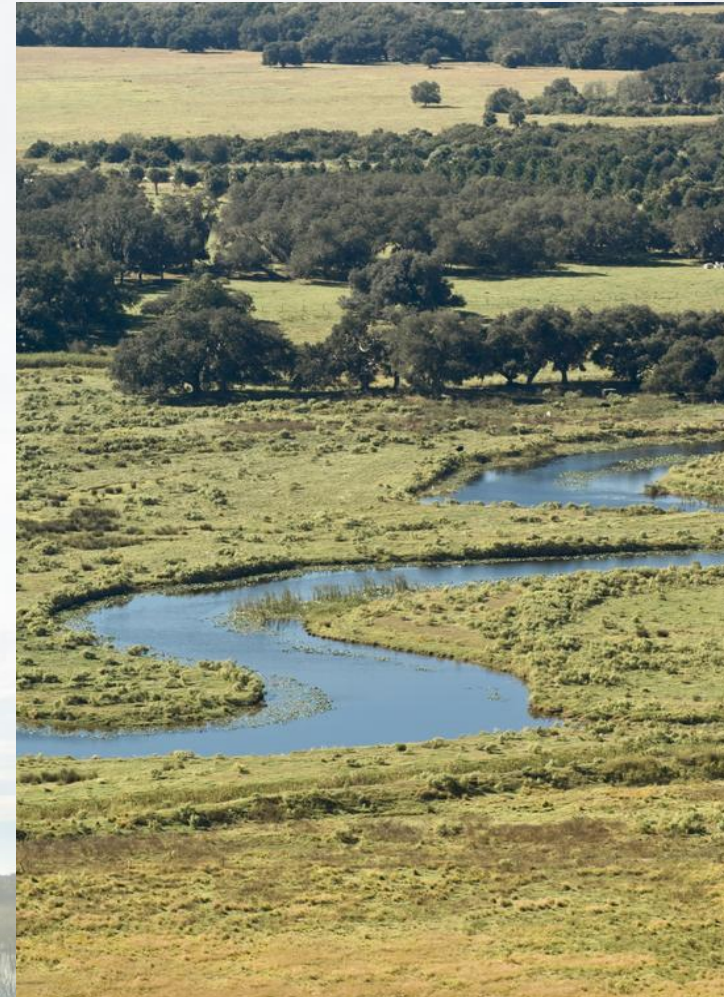
Optimizing system performance

- Flow equalization basins allow storing of stormwater
- Controlling the flow of stormwater improves the ability of treatment areas to remove phosphorus



Northern Everglades & Estuaries

- Water and phosphorus inflow into Lake Okeechobee primarily comes from the north
- Projects identified in Basin Management Action Plans will improve quality of water flowing into the Lake
- Treatment and storage projects underway for St. Lucie and Caloosahatchee estuaries



Questions?